

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	("20030097999" "20030150095" "4750250" "5054182" "5195239" "5519182" "6638379" "6935292").PN.	USPAT	OR	OFF	2008/05/13 15:38
S3	249	29/888.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/13 15:48
S5	11	("1527456" "4293995" "4597365" "4612695" "4660269" "4841627" "4993282" "5299881" "5429574" "6182361").PN. OR ("6935292").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/13 22:23
S6	249	29/888.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/13 22:31
S7	90	S6 and heat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/13 22:31
S8	908	123/90.6.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/13 22:58
S9	111	123/90.6.ccls. and heat \$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/13 22:59

S10	22	("3999277" "4595556" "4774852" "4781075" "4783898" "4809562" "4899615" "4922785" "4947547" "4983797" "5007165" "5044224").PN. OR ("5197351").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/13 23:12
S11	2	"20040173050"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 07:08
S12	8014	electric near3 resistance near3 heating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 07:12
S13	4325	electric adj resistance adj heating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 07:12
S14	2122	S13 and (tube or shaft or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 07:13
S15	192	S13 and (tube or shaft or pipe)	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 07:13
S16	1	"4306674".pn.	USPAT	OR	OFF	2008/05/14 07:23
S17	27	S13 and (tube or shaft or pipe) and mount\$3	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 07:26
S18	1930	S13 and (tube or shaft or pipe)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/14 07:26
S19	1244	S13 and (tube or shaft or pipe) and mount\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/14 07:26

S21	294	29/6.01.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 07:31
S22	778	74/595.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 10:10
S23	294	29/6.01.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 10:10
S24	126	(S22 or S23) and heat \$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 10:10
S25	7	("3266118" "3590469" "4041755" "4094048" "4317355" "4438644").PN. OR ("4578975").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/14 10:33
S26	2	"6935292".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 11:02
S27	8	("20030097999" "20030150095" "4750250" "5054182" "5195239" "5519182" "6638379" "6935292").PN.	US-PGPUB; USPAT	OR	OFF	2008/05/14 11:03
S28	778	74/595.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/16 16:27

S29	454	29/510.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/16 16:27
S30	578	29/515.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/16 16:27
S31	721	29/523.ccls.	USOCR	OR	OFF	2008/05/16 16:28
S32	1415	29/523.ccls.	US-PGPUB; USPAT	OR	OFF	2008/05/16 16:29
S33	128	29/523.ccls.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/16 16:29
S34	56	(S29 or S30 or S31 or S32 or S33) and cam near2 shaft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/16 16:30
S35	4	"19909184"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 07:47
S36	2	"19932810"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 07:55
S37	15	((JOCHEN) near2 (ASBECK)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/19 08:04
S38	7	((HENNING) near2 (BLOCKER)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/19 08:05
S39	16	((JOCHEN) near2 (ASBECK)).INV.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 08:05
S40	0	((HENNING) near2 (BLOCKER)).INV.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 08:05

S41	3	"20116112"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 08:43
S42	1	((JOERG) near2 (LEI HKAUF)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/19 08:51
S43	1	((JIRKA) near2 (HEINRICH)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/19 08:51
S44	4	((JOERG) near2 (LEI HKAUF)).INV.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 08:51
S45	3	((JIRKA) near2 (HEINRICH)).INV.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 08:52
S46	2	"20050217109"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 09:38
S47	4	("4612695" "5429574").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 09:42
S48	27	("2472261" "2892254" "3845667" "3869938" "3999277" "4293995").PN. OR ("4612695").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/19 09:46
S49	416	29/888.08.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 11:39
S50	1476	29/505.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 11:39

S51	986	228/182.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 11:40
S52	301	72/370.23.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 11:40
S53	978	72/56.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 11:41
S54	2448	74/567.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 11:42
S55	908	123/90.6.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 11:42
S56	74	29/DIG.24.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 11:43
S57	95	72/367.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 11:48
S58	1396	74/567.ccls.	US-PGPUB; USPAT	OR	OFF	2008/05/19 11:53
S59	27	("2472261" "2892254" "3845667" "3869938" "3999277" "4293995").PN. OR ("4612695").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/19 13:35

S60	454	29/510.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 14:40
S61	578	29/515.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 14:40
S62	721	29/523.ccls.	USOCR	OR	OFF	2008/05/19 14:40
S63	1415	29/523.ccls.	US-PGPUB; USPAT	OR	OFF	2008/05/19 14:40
S64	128	29/523.ccls.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 14:40
S65	82	(S60 or S61 or S62 or S63 or S64) and ((cam near2 shaft) or camshaft or cam-shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 14:40
S66	56	(S60 or S61 or S62 or S63 or S64) and cam near2 shaft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 14:41
S67	26	S65 not S66	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 14:41
S68	1	Liegmann-Karl-heinz.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 14:49
S69	10	Janssen-Manfred.in..in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 14:50

S70	1169	(S49 or S50 or S51 or S52 or S53 or S54 or S55 or S56 or S57 or S58) and expan\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 14:53
S71	180	(S49 or S50 or S51 or S52 or S53 or S54 or S55 or S56 or S57 or S58) and expan\$4 same (cam near2 shaft or camshaft or cam adj shaft or "cam-shaft")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/19 14:55
S72	4328	electric adj resistance adj heating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 08:21
S73	2123	S72 and (tube or shaft or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 08:21
S74	339	S73 and bend\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 08:21
S75	2	S73 and (bend\$3 near3 moment\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 08:22
S76	2	S73 and bending near3 moment	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 08:23
S78	3	S72 and (bend\$3 near3 moment\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 08:24

S79	498	(heat or heating or heated) same (tube or pipe or shaft) same (bend\$3 near3 moment \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 08:26
S80	2	"7347486".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 08:28
S81	3	("20040075296" "5232261" "6325431").PN. OR ("7347486").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/20 08:28
S82	23	("0298059" "1960557" "2057038" "2303949" "2441299" "2689596" "2983995" "2996100" "3473361" "3869776" "3869917" "4378122" "4432123").PN. OR ("5339868").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/20 08:57
S83	14	("2184534" "2620433" "3359398" "4354883" "4505763").PN. OR ("4694131").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/20 09:09
S84	141	219/617.ccls. and (tube or shaft or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 10:11
S85	67	219/607.ccls. and (tube or shaft or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 10:13
S86	75	219/607.ccls. and (tube or tubular or shaft or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 10:14
S87	1970	electric adj resistance adj heating	USPAT	OR	OFF	2008/05/20 10:28

S88	48	219/153.ccls. and (tube or shaft or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 10:33
S89	50	219/150R.ccls. and (tube or shaft or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 10:39
S90	60	148/526.ccls. and (tube or shaft or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 10:46
S91	4	"4412442".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 11:33
S92	121	148/572.ccls. and (tube or shaft or tubular or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 14:15
S93	66	148/526.ccls. and (tube or shaft or tubular or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 14:15
S94	2	"6868709".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 14:20
S95	64	72/342.92.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 14:25

S96	137	72/342.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 14:26
S97	60	72/342.96.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 14:26
S98	1049	72/402.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 14:26
S99	25	("3487196" "3668917" "3728887" "3793873" "3827275" "4263799" "5388594" "5498855" "5515705" "5530225" "5573692" "5591368" "5613505" "5620651" "5665262" "5708258" "5744773" "5750964" "5954979" "6040560" "6280682" "6284191" "6463779").PN. OR ("6868709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/20 14:34
S100	450	72/342.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 15:31
S101	71	72/342.6.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 15:31

S102	128	72/342.94.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 15:31
S103	1691	72/364.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 15:31
S104	23	"72"/\$.ccls. and ((camshaft or crankshaft) same (heat or heating) same (forming or deforming))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/20 15:32
S105	448	219/59.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 06:43
S106	231	219/61.2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 06:43
S107	33	219/61.6.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 06:43
S108	81	219/61.11.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 06:56

S109	24	("1093010" "2515179" "2929914" "2943179" "3241347" "3301992" "3590622" "3937383" "3973717" "4148426" "4905885" "4971239" "5011064" "5657922" "5743122" "5924316" "6098869" "7249479").PN. OR ("7350386").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 06:56
S110	36	("2467636" "2967228" "3433921" "3581047" "3842235" "4214142" "4296304" "4317980" "4441006" "4447700" "4461944" "4542277" "4684778" "4795875" "4841113" "4861959" "4984171" "5220145" "5225647" "5288968" "5360156" "5376766").PN. OR ("5645738").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 07:22
S111	20	219/59.1.ccls. and counter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 07:35
S112	464	"148"/\$.ccls. and (tube or shaft or tubular or pipe) and counter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 07:39
S113	72	"148"/\$.ccls. and (tube or shaft or tubular or pipe) and counter and bending	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 07:40
S114	7	("4168190" "4229235" "4354883" "4505763").PN. OR ("4772336").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 08:07

S115	448	stress same heat\$3 same cool\$3 same counter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 08:19
S116	177	stress same heat\$3 same cool\$3 same counter\$3 same (tube or tubular or shaft or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 08:19
S117	35	stress same heat\$3 same cool\$3 same counter\$3 same (tube or tubular or shaft or pipe) same (bent or bend or bending)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 08:21
S118	33	stress same relief same heat\$3 same cool\$3 same (tube or tubular or shaft or pipe) same (bent or bend or bending)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 08:30
S119	9	camshaft same heat\$3 same cool\$3 same (bent or bend or bending)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 08:46
S120	1	camshaft same counter near3 (bend\$3 or bent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 08:52
S121	6	crankshaft same counter near3 (bend\$3 or bent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 08:53

S122	17	("3944446" "4123644" "5157231" "5451749" "5680693" "6013904" "6018155" "6140625" "6153865" "6160248" "6259076" "6274857" "6362462" "6399928" "6455825" "6555800" "6638379" "6638379").PN.	USPAT	OR	OFF	2008/05/21 08:58
S123	1	"3188440".pn.	USPAT	OR	OFF	2008/05/21 09:01
S124	16	((RONALD) near2 (AKERS)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 09:05
S125	6	((ROBERT) near2 (MADEIRA)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 09:06
S126	34	((GARY) near2 (CAMPBELL)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 09:06
S127	7	((DENNIS) near2 (MCKINNEY)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 09:07
S128	15	((RICHARD) near2 (MCKELVEY)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 09:08
S129	25	workpiece same counter near3 (bend\$3 or bent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 09:10
S130	73	workpiece same hardening same heat\$3 same (bend\$3 or bent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 09:48
S131	3	("5492308" "5626693").PN. OR ("6328829").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/21 09:52
S132	10	(tube or tubular or shaft or pipe) same hardening same heat\$3 same ((bend\$3 or bent) near5 moment)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 10:03

S133	38	workpiece same counter \$3 near3 (bend\$3 or bent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 10:18
S134	4328	electric adj resistance adj heating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:25
S138	314	S134 and (induction near2 heating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:27
S139	9	S138 and (tube or shaft or pipe)	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:27
S140	161	S138 and (tube or shaft or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:27
S141	0	S138 and (tube or shaft or pipe) same camshaft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:38
S142	0	S138 and (tube or shaft or pipe) same crankshaft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:38
S143	0	S138 and (tube or shaft or pipe) and (camshaft or crankshaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:38

S144	4328	electric adj resistance adj heating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:39
S146	228	electric adj resistive adj heating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:44
S148	21	S144 and (camshaft or crankshaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:45
S149	0	S146 and (camshaft or crankshaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:46
S150	104	S146 and (tube or shaft or tubular or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:47
S151	2309	S134 and (tube or shaft or tubular or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:47
S152	13	S146 same (tube or shaft or tubular or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:48
S154	1006	S134 same (tube or shaft or tubular or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:48

S155	642	S134 same (tube or shaft or tubular or pipe) same heat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:52
S156	33	S134 same (tube or shaft or tubular or pipe) same (heat adj treat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:53
S157	193	S134 same (tube or shaft or tubular or pipe) same forming	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:58
S158	120	S134 same (tube or shaft or tubular or pipe) same forming not weld\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/21 11:59

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